

Abstract

A method of recycling commingled plastics waste containing min. 30 wt. % of polyolefins to a tough thermoplastic material, based on the compatibilization of the polymer components of commingled plastics waste with an admixture of 2-15 wt. % of an ethylene--propylene copolymer or a styrene--butadiene block copolymer or a combination of an ethylene--propylene copolymer and a styrene--butadiene copolymer in any weight ratio, together with 0.1-2.5 wt. % of a secondary aromatic amine and by subsequent blend processing in the melt.